

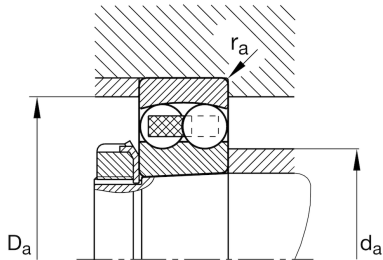
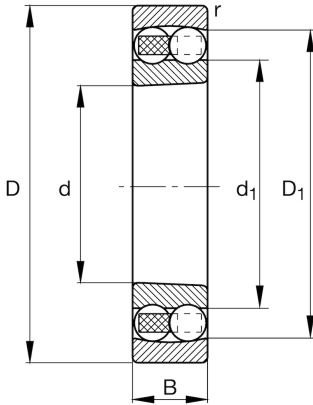
FAG

2310-K-TVH-C3

Self-aligning ball bearing

Schaeffler ID:
0389072080030Self-aligning ball bearing 23..-K-TVH,
tapered bore taper 1:12, plastic cage

Technical information

**Main Dimensions & Performance Data**

d	50 mm	Bore diameter
D	110 mm	Outside diameter
B	40 mm	Width
C_r	66,000 N	Basic dynamic load rating, radial
C_{0r}	20,200 N	Basic static load rating, radial
C_{ur}	1,280 N	Fatigue load limit, radial
n_G	6,300 1/min	Limiting speed
n_{gr}	7,600 1/min	Reference speed
	1.554 kg	Weight

Mounting dimensions

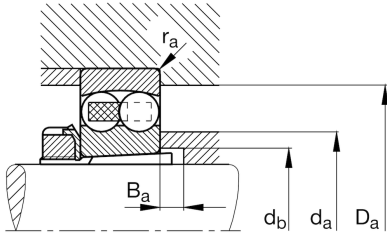
$d_{a \min}$	61 mm	Minimum diameter shaft shoulder
$d_{a \max}$	63 mm	Maximum diameter shaft shoulder
$D_{a \max}$	99 mm	Maximum diameter of housing shoulder
$d_{b \min}$	56 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	5 mm	Minimum cavity width of the sleeve
$r_{a \max}$	2 mm	Maximum fillet radius

Dimensions

r_{\min}	2 mm	Minimum chamfer dimension
D_1	91.4 mm	Shoulder diameter outer ring
d_1	65.9 mm	Shoulder diameter inner ring

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.



Calculation factors

e	0.43	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1.46	Dynamic axial load factor
Y_2	2.27	Dynamic axial load factor
Y_0	1.53	Static axial load factor

Additional information

H2310	Adapter sleeve
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